

CLAIMS

What is claimed is:

1. A service entrance, comprising:

a post section adapted to receive an electrical supply wire having a supply power wire and a supply neutral wire, the post section having a first opening and a second opening;

a service section disposed at the post section, the service section having a third opening and a fourth opening, wherein the third opening is juxtaposed the first opening and the fourth opening is juxtaposed the second opening; and

a neutral bus having a first end at the post section, a second end at the service section, and disposed passing through the second and fourth openings, the first end of the neutral bus being adapted to electrically connect with the supply neutral wire.

2. The service entrance of Claim 1, wherein:

the first and second openings are disposed at a back surface of the post section; the third and fourth openings are disposed at a back surface of the service section; and

the service section is disposed in a back-to-back rain-tight fashion with respect to the post section.

3. The service entrance of Claim 1, wherein:

the second and fourth openings are disposed below the first and third openings.

4. The service entrance of Claim 1, further comprising:
a terminal block disposed at the post section proximate the first opening; and
a power connector disposed at the service section proximate the third opening;
wherein the terminal block is adapted to electrically connect with the supply power wire at one side and to electrically connect with an end of a jumper power wire at another side, and the power connector is adapted to electrically connect with an opposite end of the jumper power wire;
wherein the first and third openings are receptive of the jumper power wire.
5. The service entrance of Claim 4, wherein the terminal block is absent an electrical connection with the supply neutral wire, and the first and third openings are absent a jumper neutral wire.
6. The service entrance of Claim 4, further comprising:
a first receptacle for an electric meter disposed at the service section, the first receptacle adapted for receiving power from the power connector;
a second receptacle for a load circuit disconnect disposed at the service section, the second receptacle adapted for receiving power from the first receptacle;
and
a service neutral connector electrically connected with the neutral bus.
7. The service entrance of Claim 6, further comprising:
a main circuit disconnect disposed at the service section and electrically connected between the first receptacle and the second receptacle.
8. The service entrance of Claim 6, wherein the service neutral connector is disposed below the second receptacle.

9. The service entrance of Claim 8, wherein:
the first and second openings are disposed at a back surface of the post section;
the third and fourth openings are disposed at a back surface of the service
section; and
the service section is disposed in a back-to-back rain-tight fashion with respect
to the post section.

10. The service entrance of Claim 1, further comprising:
a service neutral connector electrically connected with the second end of the
neutral bus;
wherein the service neutral connector is adapted to electrically connect with a
return neutral wire from a load branch circuit; and
wherein the neutral bus provides a direct electrical connection between the
return neutral wire from the load branch circuit and the supply neutral wire.

11. A service entrance, comprising:
a first housing and a second housing proximate thereto, the first and second
housings having first and second openings disposed therebetween; and
a neutral bus having a first end at the first housing, a second end at the second
housing, and disposed passing through the second opening;
wherein the first housing is adapted to receive an electrical supply wire having
a supply path and a return neutral path, the first opening is adapted to receive the
supply path, and the second opening is adapted to receive the return neutral path.

12. The service entrance of Claim 11, further comprising:

a terminal block disposed at the first housing and adapted to receive the supply path but not the return neutral path;

a first receptacle disposed at the second housing for receiving an electric meter, the first receptacle arranged for electrical communication with the terminal block;

a second receptacle disposed at the second housing for receiving a load circuit disconnect, the second receptacle arranged for electrical communication with the first receptacle.

13. The service entrance of Claim 12, further comprising:

a main circuit disconnect disposed at the second housing and electrically connected between the first receptacle and the second receptacle; and

a service neutral connector disposed at the second housing and electrically connected with the neutral bus.

14. The service entrance of Claim 13, wherein:

the first receptacle is disposed below the first opening;

the main circuit disconnect is disposed below the first receptacle;

the second receptacle is disposed below the main circuit disconnect; and

the service neutral connector is disposed below the second receptacle.

15. The service entrance of Claim 14, wherein:

the second housing is arranged in a rain-tight fashion with respect to the first housing.

16. The service entrance of Claim 11, further comprising:
a service neutral connector electrically connected with the second end of the
neutral bus;
wherein the service neutral connector is adapted to electrically connect with a
return neutral wire from a load branch circuit; and
wherein the neutral bus provides a direct electrical connection between the
return neutral wire from the load branch circuit and the return neutral path of the
electrical supply wire.